## We Claim:

1. An integrated multimedia system having a multimedia processor disposed in an integrated circuit, said system comprising:

a first host processor system coupled to said multimedia processor;

a second local processor disposed within said multimedia processor for controlling the operation of said multimedia processor;

a data transfer switch disposed within said multimedia processor and coupled to said second processor for transferring data to various modules of said multimedia processor;

a fixed function unit disposed within said multimedia processor, said fixed function unit coupled to said second processor and said data transfer switch and configured to perform three dimensional graphic operations;

a data streamer coupled to said data transfer switch, and configured to schedule simultaneous data transfers among a plurality of modules disposed within said multimedia processor in accordance with corresponding channel allocations;

an interface unit coupled to said data streamer having a plurality of input/output (I/O) device driver units;

a multiplexer coupled to said interface unit for providing access between a selected number of said I/O device driver units to external I/O devices via output pins; and a plurality of external I/O devices coupled to said multimedia processor.

- 2. The system in accordance with claim 1, wherein said external I/O devices are controlled by a corresponding one of said I/O device driver units.
- 3. The system in accordance with claim 2, wherein one of said external I/O device is an NTSC decoder.
- 4. The system in accordance with claim 2, wherein one of said external I/O device is an NTSC encoder.
- 5. The system in accordance with claim 2, wherein one of said external I/O device is a demodulator unit configured to demodulate wireless communications signals.
- 6. The system in accordance with claim 5, wherein said demodulator unit communicates with said multimedia processor in accordance with a transport channel interface arrangement.
- 7. The system in accordance with claim 2, wherein said multimedia processor provides video signals and three dimensional graphic signals to an external video display device.
- 8. The system in accordance with claim 2, wherein one of said external I/O device is an ISDN interface.

- 9. The system in accordance with claim 2, wherein one of said external I/O device is an audio coder and decoder (CODEC) unit.
- 10. An integrated multimedia system having a multimedia processor disposed in an integrated circuit, said system comprising:
- a processor disposed within said multimedia processor for controlling the operation of said multimedia processor;

a data transfer switch disposed within said multimedia processor and coupled to said processor for transferring data to various modules of said multimedia processor; a fixed function unit disposed within said multimedia processor, said fixed function unit coupled to said processor and said data transfer switch and configured to perform three dimensional graphic operations;

a data streamer coupled to said data transfer switch, and configured to schedule simultaneous data transfers among a plurality of modules disposed within said multimedia processor in accordance with corresponding channel allocations;

an interface unit coupled to said data streamer having a plurality of input/output (I/O) device driver units;

a multiplexer coupled to said interface unit for providing access between a selected number of said I/O device driver units to external I/O devices via output pins; and a plurality of external I/O devices coupled to said multimedia processor.

11. The system in accordance with claim 10, wherein said external I/O devices

are controlled by a corresponding one of said I/O device driver units.

- 12. The system in accordance with claim 11, wherein one of said external I/O device is an NTSC decoder.
- 13. The system in accordance with claim 11, wherein one of said external I/O device is an NTSC encoder.
- 14. The system in accordance with claim 11, wherein one of said external I/O device is a demodulator unit configured to demodulate wireless communications signals.
- 15. The system in accordance with claim 14, wherein said demodulator unit communicates with said multimedia processor in accordance with a transport channel interface arrangement.
- 16. The system in accordance with claim 11, wherein said multimedia processor provides video signals and three dimensional graphic signals to an external video display device.
- 17. The system in accordance with claim 11, wherein one of said external I/O device is an ISDN interface.

18. The system in accordance with claim 11, wherein one of said external I/O device is an audio coder and decoder (CODEC) unit.